

# **ZPW2020 - The Higgs boson and the Top quark**

## **Report of Contributions**

Contribution ID: 26

Type: **not specified**

# Effective field theory for top quark and Higgs physics

*Monday, January 13, 2020 10:00 AM (30 minutes)*

**Presenter:** VRYONIDOU, Eleni (CERN)

**Session Classification:** Session

Contribution ID: 27

Type: **not specified**

## Top, Higgs and Effective Field Theory

*Monday, January 13, 2020 10:30 AM (30 minutes)*

**Presenter:** BRIVIO, Ilaria (University of Heidelberg)

**Session Classification:** Session

Contribution ID: **28**

Type: **not specified**

## **SMEFT analyses with the full Run 2 data set**

*Monday, January 13, 2020 11:45 AM (30 minutes)*

**Presenter:** DAVID, André (CERN)

**Session Classification:** Session

Contribution ID: 29

Type: **not specified**

**TBA**

**Presenter:** GROHSJEAN, Alexander Josef (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** Session

Contribution ID: **30**

Type: **not specified**

## **SMEFT endgame: distributions assemble**

**Presenter:** SPANNOWSKY, Michael (University of Durham (GB))

**Session Classification:** Session

Contribution ID: **31**

Type: **not specified**

**TBA**

**Presenter:** FESEL KAMENIK, Jernej (Jozef Stefan Institute (SI))

**Session Classification:** Session

Contribution ID: **32**

Type: **not specified**

## **EFT analyses for the top sector**

*Monday, January 13, 2020 2:00 PM (30 minutes)*

**Presenter:** GROHSJEAN, Alexander Josef (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** Session



Contribution ID: 33

Type: **not specified**

## **Top-quark dynamics in composite models**

*Monday, January 13, 2020 2:30 PM (30 minutes)*

**Presenter:** CACCIAPAGLIA, Giacomo

**Session Classification:** Session

Contribution ID: 34

Type: **not specified**

## **Progress in multiloop calculations for top and Higgs physics**

*Monday, January 13, 2020 3:45 PM (30 minutes)*

**Presenter:** TANCREDI, Lorenzo (CERN)

**Session Classification:** Session

Contribution ID: 35

Type: **not specified**

## Top-quark dynamics in composite models

**Presenter:** CACCIAPAGLIA, Giacomo (Centre National de la Recherche Scientifique (FR))

**Session Classification:** Session

Contribution ID: 36

Type: **not specified**

## **Progress in multiloop calculations for top and Higgs physics**

**Presenter:** TANCREDI, Lorenzo (CERN)

**Session Classification:** Session

Contribution ID: 37

Type: **not specified**

## Single top: theory

*Tuesday, January 14, 2020 9:00 AM (30 minutes)*

**Presenter:** FREDERIX, Rikkert (Lund University)

**Session Classification:** Session

Contribution ID: **38**

Type: **not specified**

## **Off shell effects in tt and ttH production**

*Tuesday, January 14, 2020 10:45 AM (30 minutes)*

**Presenter:** PELLEN, Mathieu (University of Cambridge)

**Session Classification:** Session

Contribution ID: 39

Type: **not specified**

## **Electroweak effects in the top/Higgs sector**

*Tuesday, January 14, 2020 11:15 AM (30 minutes)*

**Presenter:** PAGANI, Davide (Technische Universität Muenchen (DE))

**Session Classification:** Session

Contribution ID: 40

Type: **not specified**

## **ttX: experimental results**

*Tuesday, January 14, 2020 2:00 PM (30 minutes)*

**Presenter:** SHABALINA, Elizaveta (Georg August Universitaet Goettingen (DE))

**Session Classification:** Session



Contribution ID: 41

Type: **not specified**

## **Multi differential cross sections and extraction of parameters**

*Tuesday, January 14, 2020 2:30 PM (30 minutes)*

**Presenter:** BEHNKE, Olaf (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** Session

Contribution ID: 42

Type: **not specified**

## Differential theory predictions for top-quark production and decay

*Tuesday, January 14, 2020 3:45 PM (30 minutes)*

**Presenter:** MITOV, Alexander (University of Cambridge (GB))

**Session Classification:** Session

Contribution ID: 43

Type: **not specified**

## Top mass: experiment

*Tuesday, January 14, 2020 4:15 PM (30 minutes)*

**Presenter:** BOISVERT, Veronique (Royal Holloway, University of London)

**Session Classification:** Session

Contribution ID: 44

Type: **not specified**

## Top mass: theory

*Tuesday, January 14, 2020 4:45 PM (30 minutes)*

**Presenter:** NASON, Paolo (Universita & INFN, Milano-Bicocca (IT))

**Session Classification:** Session

Contribution ID: 45

Type: **not specified**

## Top-mass effects in Higgs Physics

*Wednesday, January 15, 2020 9:30 AM (30 minutes)*

**Presenter:** JONES, Stephen Philip (CERN)

**Session Classification:** Session

Contribution ID: 46

Type: **not specified**

## Modeling of theory systematics

*Wednesday, January 15, 2020 10:00 AM (30 minutes)*

**Presenter:** BENDAVID, Josh (CERN)

**Session Classification:** Session

Contribution ID: 47

Type: **not specified**

## ttH background systematics

*Wednesday, January 15, 2020 11:15 AM (30 minutes)*

**Presenter:** SIEGERT, Frank (Technische Universitaet Dresden (DE))

**Session Classification:** Session

Contribution ID: 48

Type: **not specified**

## Outlook

*Wednesday, January 15, 2020 11:45 AM (45 minutes)*

**Presenter:** SALAM, Gavin (CERN)

**Session Classification:** Session



Contribution ID: 49

Type: **not specified**

## Probing New Physics with top quarks

*Tuesday, January 14, 2020 9:30 AM (30 minutes)*

**Presenter:** FESEL KAMENIK, Jernej (Jozef Stefan Institute (SI))

**Session Classification:** Session